

23

--17. (New) An expandable device for delivery into a blood vessel carrying blood comprising

- an expandable support frame having first and second end portions,
- a porous polymer sleeve having inner and outer surfaces, and
- a coating of a cell adhesion peptide carried on and attached to at least one of the inner and outer surfaces of the polymer sleeve for enhancing endothelial cell growth on the polymer sleeve.

18. (New) The device of claim 17, wherein said coating is prepared by treating said inner or outer surface with a gaseous plasma cleaning process utilizing radiofrequency energy to ablate said inner or outer surface and to functionalize said inner or outer surface and to produce a plasma-deposited layer having functional groups, and

subjecting said plasma-deposited layer to multifunctional linkers/spacers in a wet chemical treatment to form covalent bonds between the linkers/spacers and the functional groups of the plasma-deposited layer to covalently bind the cell-adhesion peptides to said inner or outer surface of the substrate.

19. (New) The device of claim 17, wherein said cell-adhesion peptide has the amino acid sequence presented as SEQ ID NO: 1.--